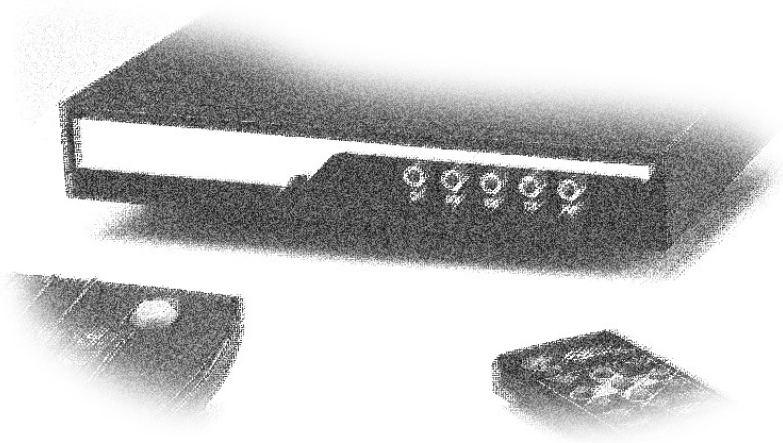
Internet TV

User's manual



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Chapter 1 Introduction

1.1 About this Manual

WEB-2000 welcomes you to the wonderful world of the Internet—straight from your television set! WEB-2000 is the easiest way to get online without a computer. All you need is a TV, a phone line, WEB-2000 and this manual to get started. With WEB-2000's user-friendly design you'll find yourself surfing the net in no time.

This manual contains the following chapters:

Chapter 1 provides an overview of what WEB-2000 is and what it can do. The packing list is included for you to check all parts before the installation. Please also read the safety instructions before setting up WEB-2000 to prevent any possible damage to the unit.

Chapter 2 details all the steps necessary to connect the WEB-2000 to your TV and the phone line, while providing basic system configuration requirements.

After the WEB-2000 is setup successfully, you can refer to Chapter 3 for more detailed information about WEB-2000's built-in browser and mail software features.

Chapter 4 provides recommendations about what you should do to get the best performance from your unit.

Finally, Chapter 5 lists detailed hardware/software specifications of the WEB-2000 for your reference.

1.2 What is the WEB-2000

The WEB-2000 is a TV set-top box that connects to the regular phone line to provide an Internet connection, Web browsing, and email functionality by using your TV as a display unit. Once installed, you will be surfing the Web for the latest news, sports scores, cybermalls and the countless web sites for entertainment and information purposes. With WEB-2000 you don't have to worry about not being a computer expert to surf the Internet.

With the WEB-2000 you can relax while enjoying the fun of shopping, playing games, reading the news, or visit kid-friendly Web sites with the entire family. You can also send email to relatives or friends with the Remote Control or the IR (wireless) keyboard. You can create your own Web pages with easy-to-follow instructions provided by various Web sites. The WEB-2000 not only gives you easy access to the Internet for browsing or email communications but also enhances your viewing experience while increasing your knowledge—all through your TV set.

1.2.1 Main Features

- ***Viewing web sites***

Built-in 56K-modem and web browser for Internet surfing

- ***Sending and receiving mails***

The email system supports a maximum of 400 kilobytes of stored information.

- ***Wireless controls***

The WEB-2000 can be used with a wireless Remote Control and infrared wireless keyboard (optional).

- ***Off-line viewing***

To save on your phone bill, you can disconnect from the Internet and still view downloaded web site pages.

1.3 What's in the Package

- The WEB-2000
- Remote Control
- IR Keyboard (optional)
- RJ-11 Phone cord
- AC/DC Power Adapter
- AV Cable
- S-video Cable

1.4 Safety Instructions

To ensure prolonged operation of the WEB-2000, take note of the following safety instructions before setting up the machine.

1.4.1 Location

- To prevent damage to the product, do not expose it to rain or moisture.
- Do not expose this product to direct sunlight, or extreme heat.

- Do not place it on a vibrating surface.
- To protect this product from overheating, do not place it in badly ventilated and dusty areas. Always place it on a stable surface when using it.
- Do not attempt to disassemble this product, contact your local dealer if you experience problems with the unit.

Use only the supplied or an approved power adapter for this product. Consult your local dealer if you are not sure of the correct adapter to use. Refer to Chapter 5, *Specifications* for more information.

1.4.2 Preventing Fire or Electric Shock

- Do not touch the plug with wet hands.
- When you disconnect the power cord, pull on the plug, not the cord.

- If this product is exposed to moisture, unplug it from the power outlet and contact your local dealer for assistance.

1.4.3 Condensation Buildup

- When moving your WEB-2000 from a cold place to a warm place, we suggest that you wait at least two hours before powering on the unit to prevent condensation building up inside the unit.

Chapter 2 Getting Started

1. In this manual the following conventions are used:
   Bold is used when referring to keys on the Remote Control
   "**Bold**" with quotations when referring to keys on the on-screen keyboard and function keys on the screen
2. Operation of the IR keyboard is similar to a conventional PC keyboard.
3. The operations described in this manual are based on the **Remote Control**.

2.1 The Front and Rear panels of the WEB-2000

You may refer to Figure 2-1 for the configuration of the front panel. Figure 2-2 shows the rear panel configuration of the two different models. One with a VGA port (Model 1) and the other one with a power on/off switch (Model 2).

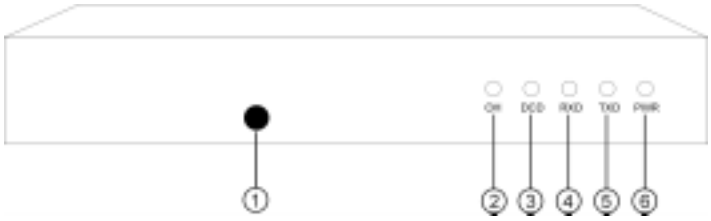
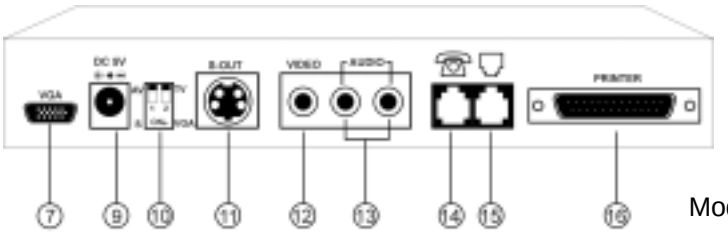
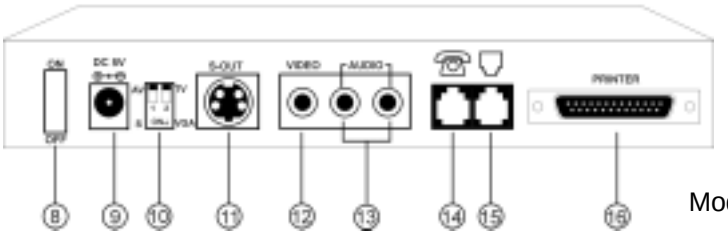


Figure 2-1 The Front Panel of the WEB-2000



Model 1



Model 2

Figure 2-2 The Rear Panel of the WEB-2000

1. Remote Control IR receiver
2. OH – off hook LED
3. DCD – data carrier detect LED
4. RXD – data reception LED
5. TXD – data transmission LED
6. PWR – power on/off LED
7. VGA – VGA monitor port
8. Power switch On/Off
9. DC power adapter port
10. DIP switch
11. S-VIDEO output
12. VIDEO output
13. AUDIO output
14. Phone line-out
15. Phone line-in
16. PRINTER port (Canon BJP color printer)

2.2 How to Install the Unit

Connecting the WEB-2000 to your TV and phone line is easy. Refer to the following instructions and illustration:

1. Connect the AV cable to the audio/video ports on the WEB-2000 and your TV set. If your TV supports S-video, connect the S-video cable from your TV to the S-video output port on the WEB-2000. If your model has a VGA port then you can also connect a monitor to that port.
2. Connect the RJ-11 phone cord to the phone line-in port on the WEB-2000. Connect the other end to a phone jack.
3. Check the switch mode setting. (Refer to section 2.2.1 for details.)
4. When connecting the power adapter, always connect the DC 5V connector to the WEB-2000 first, then to the power outlet.

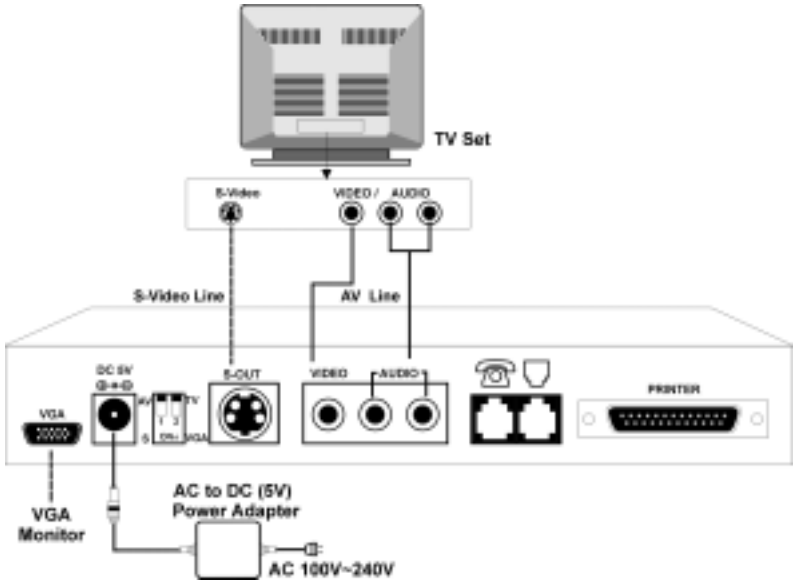
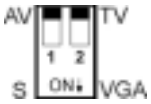


Figure 2-3 Connecting a VGA Monitor or TV (with S-video/AV Jacks)

2.2.1 Setting the Switch Mode

1. Switch 1 is used to select between S-video and AV output mode. **ON** for S-video and **OFF** for AV mode.
2. Switch 2 is used to switch between TV and VGA output mode. **ON** for VGA and **OFF** for TV.
3. When switch 2 is set to **ON** for VGA, then the setting of switch 1 will be ignored.
4. You must restart the WEB-2000 when you make changes to the switch mode settings. The new setting will become effective after you restart.



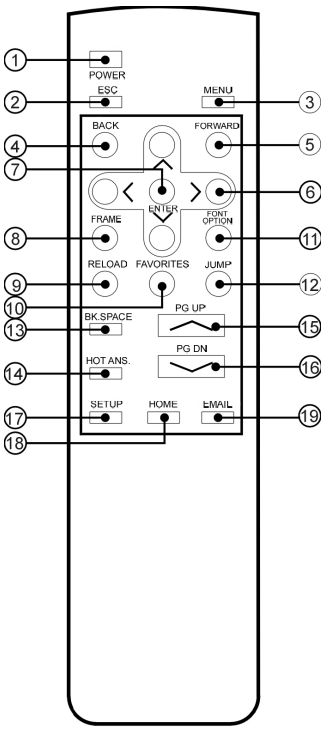
Switch No. \ Status	ON	OFF
1	S	AV
2	VGA	TV

Note: The factory default for both settings is OFF.

Figure 2-4 AV/S-video and TV/VGA Switch Mode

2.3 The Remote Control

Using the Remote Control, you can easily surf the Internet. And, it also gives you access to various menus and screen functions that display on the TV/VGA monitor. Refer to the following for instructions on using the Remote Control.



Remote Control Panel

1. **POWER:** Power On/Off
2. **ESC:** Exits a mode or cancels a function
3. **MENU:** Brings the Main menu onto the TV/VGA screen
4. **BACK:** Returns to the previous Web page
5. **FORWARD:** Goes to the next Web page
6. ﹀ ﹀ < > **:** Use the 4 arrow buttons to move the pointer
7. **ENTER:** Signals the end of a command
8. **FRAME:** Moves to another frame on the same Web page
9. **RELOAD:** Reloads the current Web site
10. **FAVORITES:** Brings up the screen of Favorites
11. **FONT OPTION:** Switches to change the size of the letters
12. **JUMP:** Brings up the menu for typing the new Web site to jump to
13. **BK.SPACE:** Deletes the previous letter keyed
14. **HOT ANS.:** Quick keys (Not available)
15. **PG UP:** Scrolls up the page
16. **PG DN:** Scrolls down the page
17. **SETUP:** Brings up the main menu of the Setup Environment
18. **HOME:** Returns to pre-set home page
19. **EMAIL:** Brings up the main menu of the Mailbox

Figure 2-5 Remote Control Panel

2.4 Function Keys (IR Keyboard)

1. Operation of the IR keyboard is much the same as a computer keyboard. Press **ENTER** or **F1** to enter commands that you key in.
2. When you use the IR keyboard, the distance between the IR keyboard and the WEB-2000 should not exceed 7 meters. The angle of operation should not exceed ± 30 degrees.
3. If the signal strength of the Remote Control is weak, replace the battery (2 size AAA/1.5V).

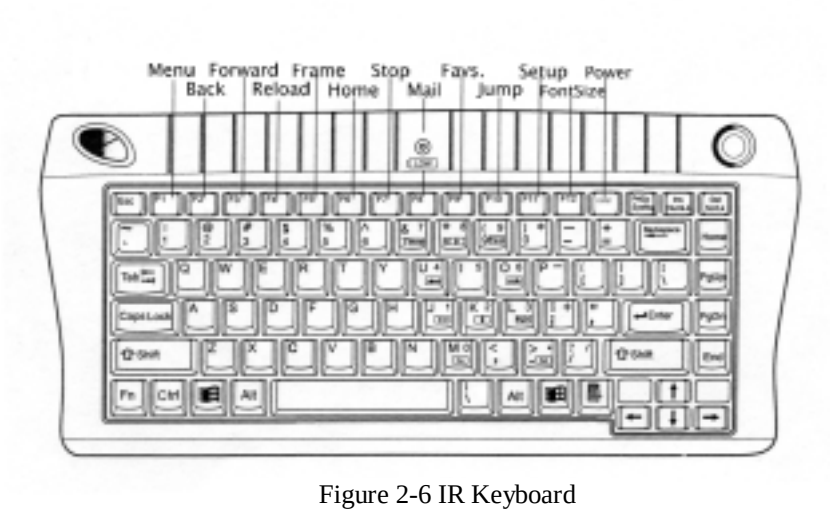


Figure 2-6 IR Keyboard

F1 (Menu): Brings up the main menu onto the TV/VGA screen
F2 (Back): Returns to the previous Web page
F3 (Forward): Goes to the next Web page
F4 (Reload): Reloads the current Web site
F5 (Frame): Moves to another frame on the same Web page
F6 (Home): Returns to the pre-set home page
F7 (Stop): Stops all transmissions or commands being executed
F8 (Mail): Brings up the main menu of the Mailbox
F9 (Favs.): Brings up the screen of the Favorites
F10 (Jump): Brings up the menu for typing the new Web site to jump to
F11 (Setup): Brings up the main menu of the Setup Environment
F12 (FontSize): Switches to change the size of letters
Power: Turns on/off the power

2.4.1 Using the On-screen Keyboard

test
A B C D E F a b c d e f g [ ] .gov 1 2 3
G H I J K L g h i j k l " < > .edu 4 5 6
M N O P Q R m n o p q r ! { } .org 7 8 9
S T U V W X s t u v w x / ( ) .sg/ 0 . :
Y Z $ % ^ ? y z / . ; : # ` ' .com/ * + -
Spc http:// www. Up @ ~ _ .html Esc \ , =
Texts Del Left Down Right Del All Enter Exit

Figure 2-7 The On-screen Keyboard

1. You need to use the on-screen keyboard to key in information if you use the Remote Control. Make sure you have selected the on-screen keyboard in the System Environment (please see Setting the System Environment on page 21).
2. Move to the key in block and presses ENTER on the Remote Control, the on-screen keyboard will appear automatically.
3. To key in English letters, use the Direction keys (< > ﹀ ﹀) of the Remote Control to select the letter and press **ENTER**. Then click "**Exit**" after you have finished.

2.5 How to Configure the Parameters

Refer to the following instructions to configure the parameters. (Refer to related information provided by your ISP where necessary.)

- Press the **SETUP** key on the Remote Control to bring up the main menu of the Setup Environment and use the Direction keys of the Remote Control to select the environment you want to set up.
- Use the Direction keys to select the items you want to set up or re-edit and press **ENTER** to call up the block, then key in the information. (Refer to the section, Using the On-screen Keyboard on page 13.)
- Select "**Ok**" on the screen after completing your changes, then press the **ENTER** key on the Remote Control to confirm and store the configuration.
- Repeat the steps above to complete the settings for all environments.

The pre-setup screen

The following screen will be shown when the WEB-2000 is first used and has not yet been set up.

--:--
WebSite:
WebSite：shows the current Web site address
--:--：shows the Web site timer
Transmitting Light：the lights well flash with a rotate when downloading data

Figure 2-8 The Pre-Setup Screen

Main menu

You will see the following screen after you turn on the WEB-2000. Press the **F1 (Menu)** key to bring up the main menu at the bottom.

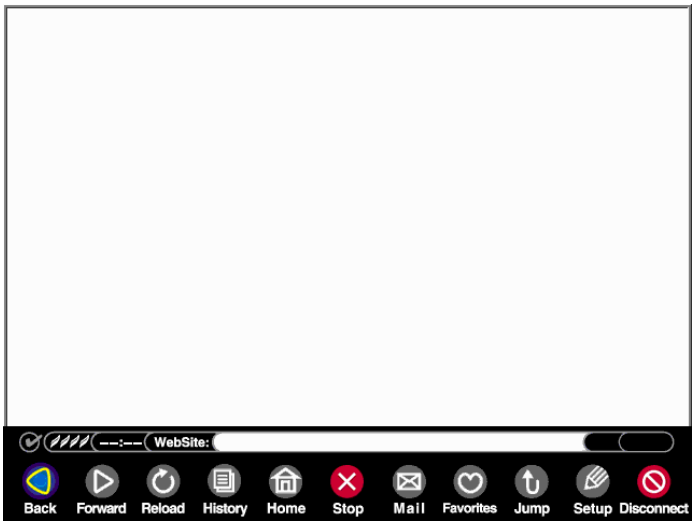


Figure 2-9 The Main Menu

2.5.1 Setting the Connection Environment

Press "Setup" to bring up the main menu for setting the connection environment (or you can press **F11** of IR keyboard to enter Setup), then use the < >keys on the Remote Control to select "Connection Environment" and use ﹀ ﹀ keys to select the item you wish to configure.

1. **Type of Dialing**: There are two settings: pulse, and tone. The default setting is "tone" (DTMF system).
2. **Dial Tone Detection**: The default setting is "Yes". If you use the PABX (Private Automatic Branch eXchange) system, select "No" to force your built-in modem to dial out the number.
3. **Enable Dialup Terminal?**: Select "Yes" for terminal mode connecting and "No" for BBS mode.
4. **Outer Line Number**: If you use the PABX system, set the number to access it. If not, skip it. (for example: "9" or "0" or "0," or "0,,", the "," is time delay code and one "," as two seconds)
5. **Number to be connected to**: Key in your local ISP telephone number. (Check with your local ISP if you are not sure.)

6. **First Name Server**: You don't need to set up the name server or domain name server under normal condition (If you use DHCP server.). Check with your local ISP if you are not sure.
7. **Second Name Server**: This field can be left blank.
8. **Login Name**: Key in the user name supplied by your local ISP.
9. **Login Password**: Key in the password supplied by your local ISP.
10. **Idling Time to cut the line**: If you don't use the mouse or keyboard within the idle time that you set, your connection will be cut off. The default setting is 10 minutes.

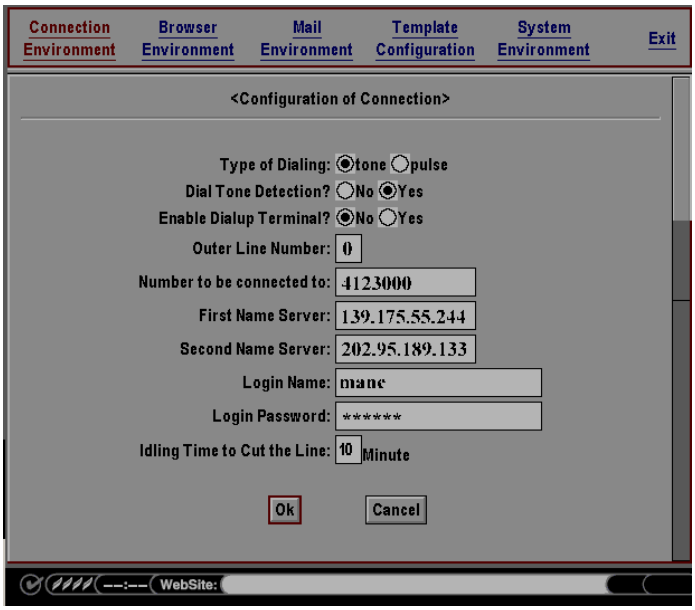


Figure 2-10 Connection Environment

Press "**Ok**" to confirm your settings.
Press "**Cancel**" to exit without making changes.

2.5.2 Configuring the Browser Environment

On the main menu of the setting environment, use < > keys on the Remote Control to select "Browser Environment" and press **Enter**, then use ﹀ ﹀ keys to select the item you wish to configure.

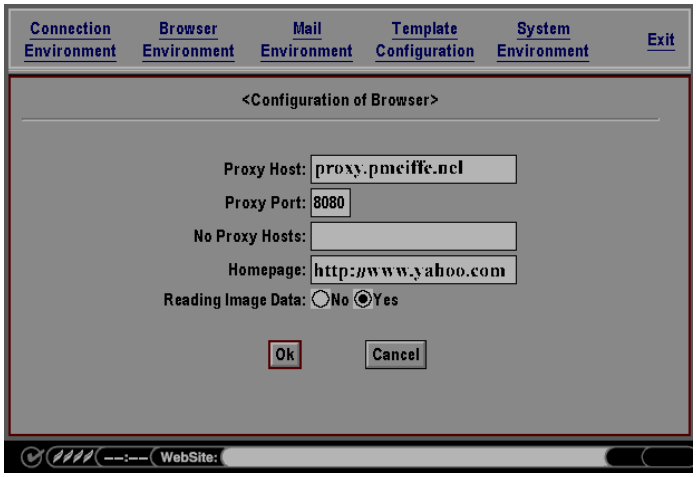


Figure 2-11 Browser Environment

1. **Proxy Host**: Normally, ISP does not support a Proxy server, so you don't need to set this up. If your ISP supports a proxy server, you can key it in for example: "proxy.pmeiffe.nel"
2. **Proxy Port**: The default setting is "8080". You don't need to change this field.
3. **No Proxy Hosts**: You don't need to set this up under normal conditions.
4. **Homepage**: Key in the Web site address for your preferred home page.
5. **Reading Image Data**: The default setting is "Yes". We recommend that you accept the default setting.

Press "**Ok**" to confirm your settings.
Press "**Cancel**" to exit without making changes.

2.5.3 Configuring the Mail Environment

Make sure Mail Environment has been configured correctly, otherwise mail can't be sent or received.

On the main menu of the setting environment, use < > keys on the Remote Control to select "Mail Environment" and press **Enter**, then use ﹀ ﹀ keys to select the item you wish to configure.

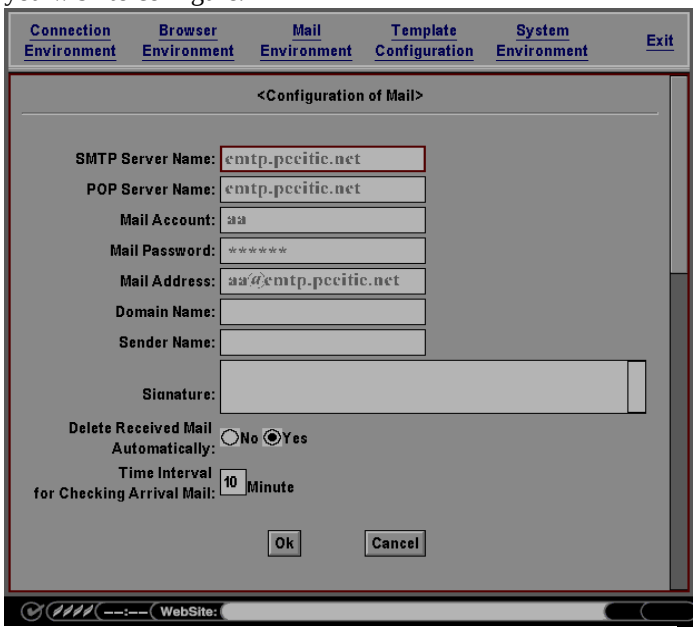


Figure 2-12 Mail Environment

1. **SMTP Server Name**: This information is supplied by your local ISP.
2. **POP Server Name**: This information is supplied by your local ISP.
3. **Mail Account**: This information is supplied by your local ISP.
4. **Mail Password**: This information is supplied by your local ISP.
5. **Mail Address**: This information is supplied by your local ISP.
6. **Domain Name**: This field can be left blank.
7. **Sender Name**: Enter the name you wish to show on outgoing mail.
8. **Signature**: Enter the signature you wish to show on outgoing mail. (Optional)
9. **Delete Received Mail Automatically**: Set to "No" to save your incoming mail. Set to "Yes" to delete incoming mail after it has been read. The default setting is "Yes".
10. **Time Interval for Checking Arrival Mail**: You can change the default time for automatically checking your mailbox.

Press "**Ok**" to confirm your settings. Press "**Cancel**" to exit without making changes.

2.5.4 Setting the Template Configuration
(Not available when using the IR keyboard)

With the "Template Configuration" you can store the useful words and sentences. You can press "**Texts**" key on the on-screen keyboard to enter the Template Configuration and select the words you desire by using the Remote Control. And use the Direction keys to select the functions of "Register", "Edit", "Delete" and "Cancel" in Template Configuration.

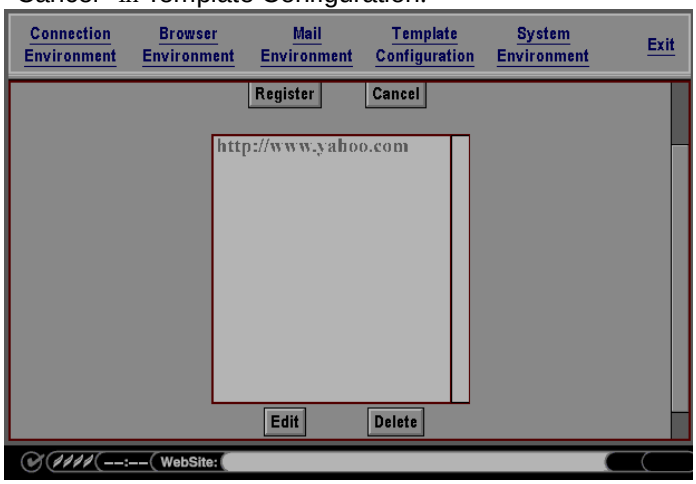


Figure 2-13 Template Configuration

Registering new words

If you want to add new words, you can select "Register" to bring up the Registration menu as shown below.

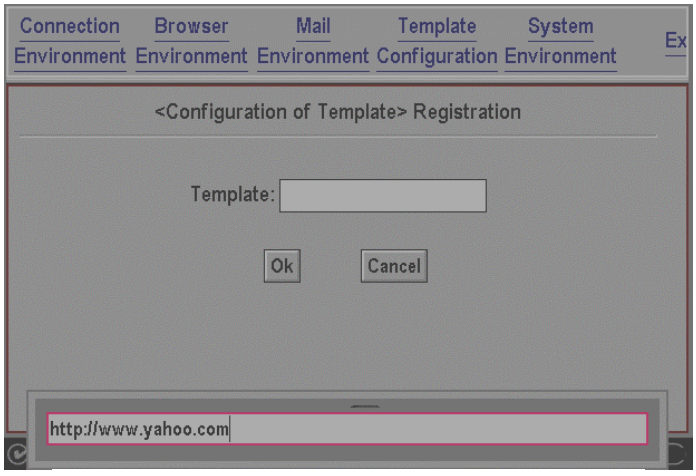


Figure 2-14 Registering a New Template

Choosing a Template

1. Press the "**Texts**" key on the on-screen keyboard to bring up the database template.

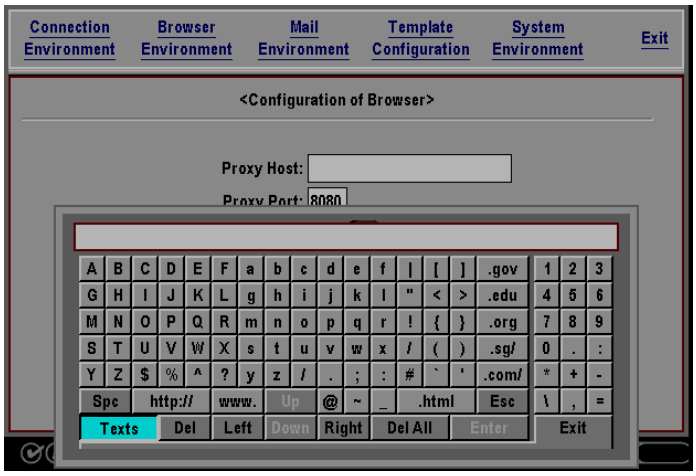


Figure 2-15 Choose Template Screen

2. Use the Direction keys on the Remote Control to select your text and press **Enter**, then select "**Cite**" to paste the text you selected to the key in block.

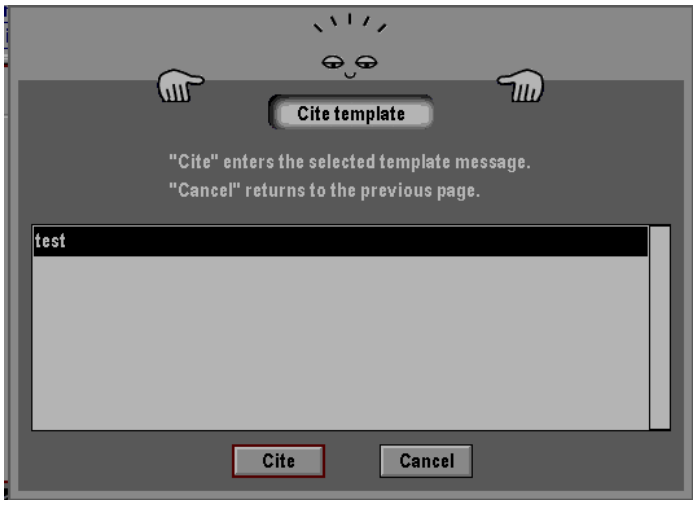


Figure 2-16 Cite Template

2.5.5 Setting the System Environment

On the main menu of setting environment, use < > keys on the Remote Control to select "System Environment" and press **Enter**, then use ﹀ ﹀ keys to select the item you wish to configure.

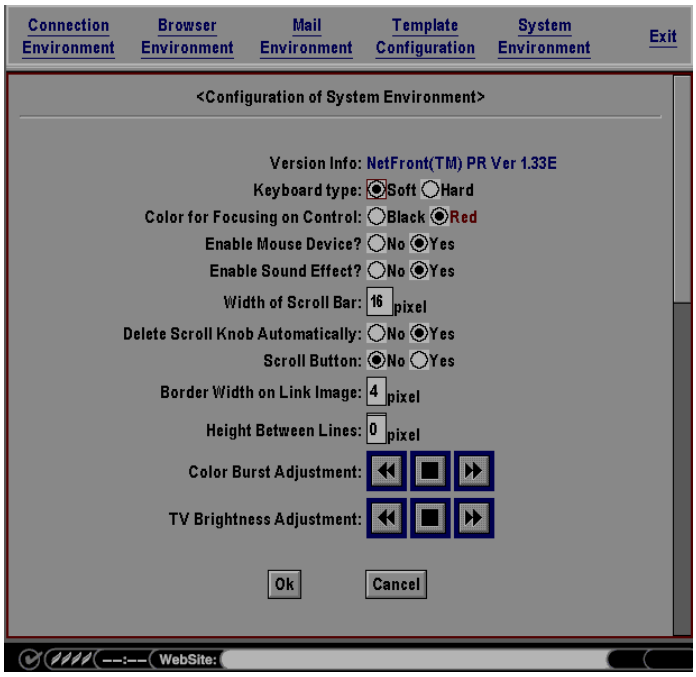


Figure 2-17 System Environment

It is recommended that you not change the default values of the System Environment parameters.

1. **Version Info**: Shows the version of this software.
2. **Keyboard type**: Select "Soft" to use the Remote Control; select "Hard" to use the IR keyboard.
3. **Color for Focusing on Control**: Sets the color of the frame of the selected item. The default setting is "Red".
4. **Enable Mouse Device?**: Lets you enable/disable the mouse device. The default setting is "Yes".
5. **Enable Sound Effect?**: Lets you enable/disable sound effects. The default setting is "Yes".
6. **Width of Scroll Bar**: Lets you set the width of the scroll bar.
7. **Delete Scroll Knob Automatically**: The default setting is "Yes". We

recommend you do not change this setting.

8. **Scroll Button**: Lets you add or remove the scroll button. The default setting is "No".
9. **Border Width on Link Image**: Lets you set the border width of the link image. The default setting is 4 pixels.
10. **Height between Lines**: Lets you adjust the height between lines.
11. **TV Brightness Adjustment**:

Darker Default value of brightness Lighter

Press "**Ok**" to confirm your settings.
Press "**Cancel**" to exit without making changes.

Chapter 3 Using the WEB-2000

3.1 Browser

1. **Menu (F1)**:
   Press the **MENU** key on the Remote Control to bring up the main menu at the bottom of the screen. (See the Figure 2-9, The Main Menu on page 15)
   The **F1~F12** are referring to keys on the IR Keyboard.

2. **Favorites (F9)**:
   You can register your favorite Web sites to your database by clicking "Register" as the following screen.

Figure 3-1 Registering your Favorite Web Site

3. **Jump (F10)**: Press "Jump" to bring up the menu for typing the Web site you want to jump to.

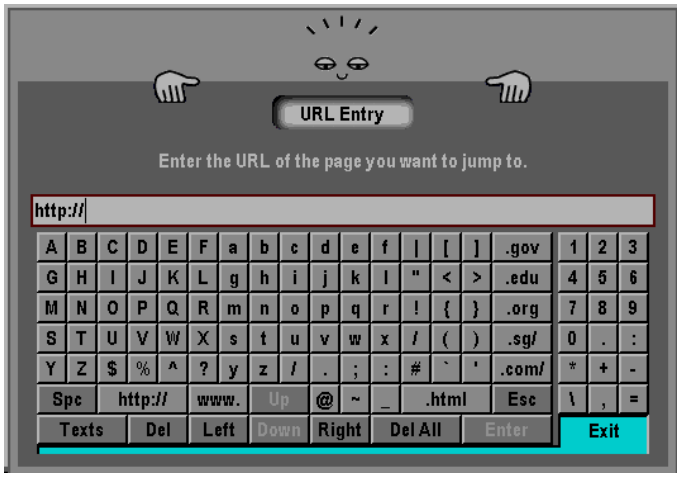

URL Entry
Enter the URL of the page you want to jump to.
http://
A B C D E F a b c d e f | [ ] .gov 1 2 3
G H I J K L g h i j k l " < > .edu 4 5 6
M N O P Q R m n o p q r ! { } .org 7 8 9
S T U V W X s t u v w x / ( ) .sg/ 0 . :
Y Z $ % ^ ? y z / . ; : # ` ' .com/ * + -
Spc http:// www. Up @ ~ _ .html Esc \ , =
Texts Del Left Down Right Del All Enter Exit

Figure 3-2 The URL Entry Page

4. **Back (F2)** and **Forward (F3)**: Press "Back" to return to the previous page or press "Forward" to go forward to the next page.
5. **Stop (F7)** and **Reload (F4)**: Press "Stop" to stop downloading and press "Reload" to refresh or reload the current Web site.
6. **Home (F6)**: Returns to pre-set home page.
7. **Mail (F8)**: Brings up the main menu of the Mailbox.
8. **Setup (F11)**: Brings up the main menu of the Setup Environment.
9. **Frame (F5)**: Moves to another frame on the same Web page.
10. **FontSize (F12)**: Switches to change the size of the letters.
11. **Disconnect**: Disconnects from the Internet.
12. **History**: Click on this icon to see a list of previously visited Web sites.

3.2 Mail Information

Make sure "Mail Environment" has been correctly configured in the setup environment. Use the **MENU** key on the Remote Control to select "Mail" to bring up the following screen:

Figure 3-3 Mail Information Menu

3.2.1 Write Mail

You can use the on-screen keyboard to type in your E-mail messages. (See section **2.4.1**, **Using the On-screen Keyboard.**) If you want to use the IR keyboard to type in your E-mail messages, your system must be configured to "hard" keyboard type. (See section **2.5.5, Setting the System Environment**).

1. Select "**Write**" from the main menu. You will see the following screen:

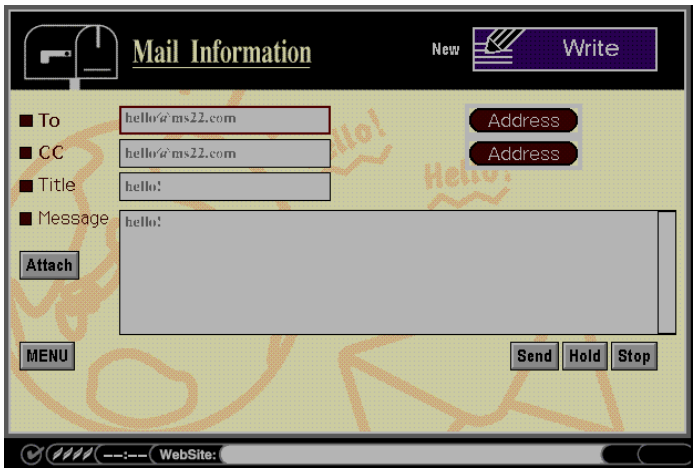


Figure 3-4 Write Mail Screen

2. Use the on-screen keyboard to key in the fields for "To", "CC", "Title" and "Message". You can select the mail addresses from the "Address" book for "To" and "CC" or you can skip the "CC" and "Title".
3. If you want to attach data to your mail, press "Attach" to select the file you want from the Attach Data List.
4. Press "Send" to send the mail or press "Hold" to store it in the sending box. Press "Stop" to stop the mail from being sent. Press "MENU" to return to the main menu.

3.2.2 New Mail

1. Select "**New**" from the main menu to connect to your service provider to check for incoming E-mail. The following screen will be shown:

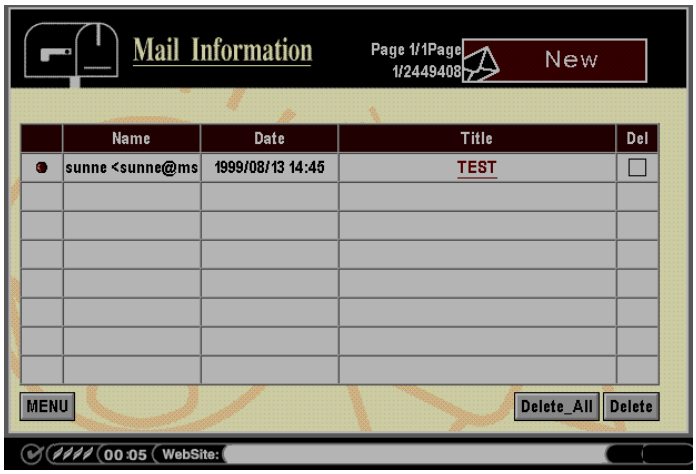


Figure 3-5 New Mail Screen

2. If you see the message "Mailbox is full" you will need to delete some old messages to make room for new ones.
3. Select the messages you want to delete from the delete column and press "Delete". Press "Delete_All to delete all messages.
4. Press "MENU" to return to the main menu.

3.2.3 Received Mail

The "Received" box will automatically collect and display a list of all the mails you have received. The mail list shows, Name, Date, Title and Del (delete mark) for each message.

1. Select "Received" to view all received mails as shown on next page.
2. You can read the content of the mail by using the Direction keys on the Remote Control to select a message, and then press **ENTER**. You can also use the functions of "Add_Address", "Print", "Delete", "Reply", "Forward", or "Return".
3. You can use the functions of "Delete" or "Delete-All" to delete only one or all mails.

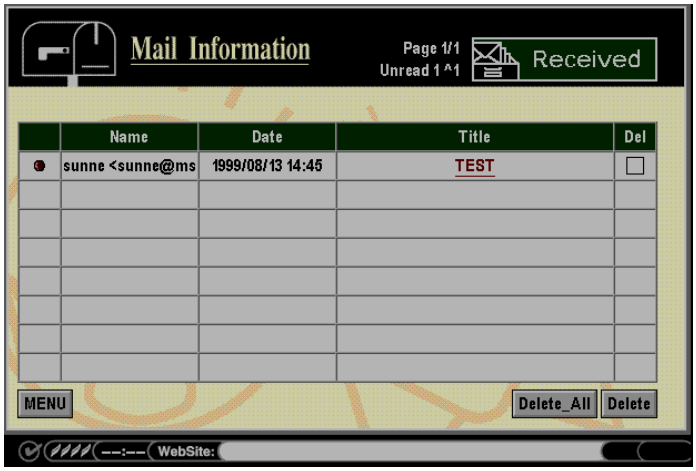


Figure 3-6 Received Mail Screen

3.2.4 Send Mail

Select "Send" from the main menu. The Send box stores all your messages; both sent or unsent. You can press "Send-All" to send all messages. Use the "Delete" and "Delete_All" buttons to delete unwanted messages.

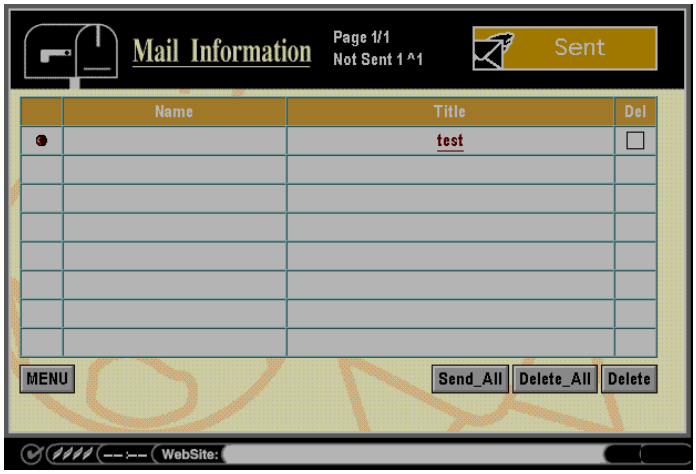


Figure 3-7 Send Mail Screen

3.2.5 Address List

1. You can store mail addresses in the Address book.
2. To add a new address, press "Address" on the main menu. Type in the Name and Address, then press "Add".

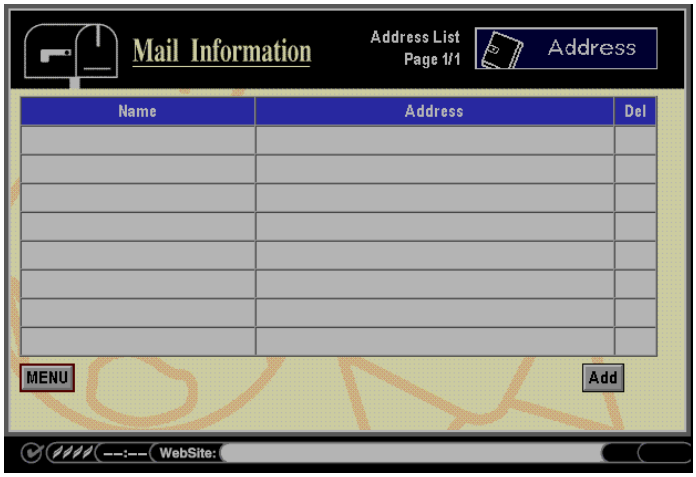


Figure 3-8 Address List Screen

After you type in the Name and address as shown below, you can select "Add" to store the address. Press "Delete" to delete this address. Press "Stop" to stop editing and return to the previous page.

Figure 3-9 Add Address Screen

3.2.6 Mail Information - Attach Data List

1. Select "Attach Data List" from the mail information main menu. All the attached data you received will be shown. You can select the file you want to attach to your message from the Attach Data List.
2. You can only view the name of the file here; you can't read the content of the mail.

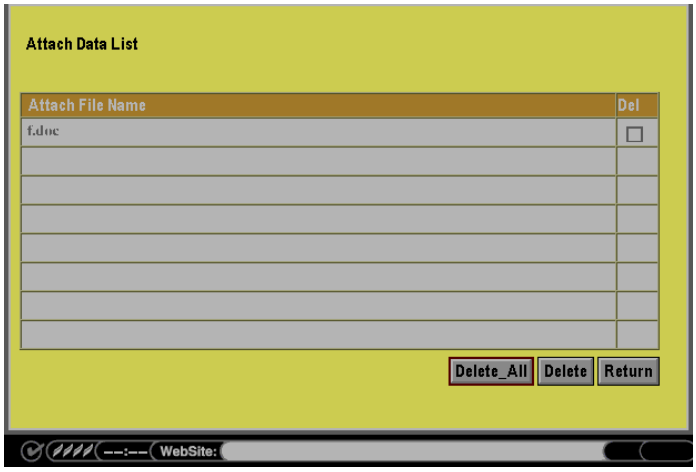


Figure 3-10 Attach Data List

3.2.7 Mail Information - Mail List at Server

1. Select the "Mail List at Server" from the mail information main menu and press "Receive". All stored mails will be listed as follows.
2. You can delete stored messages here.

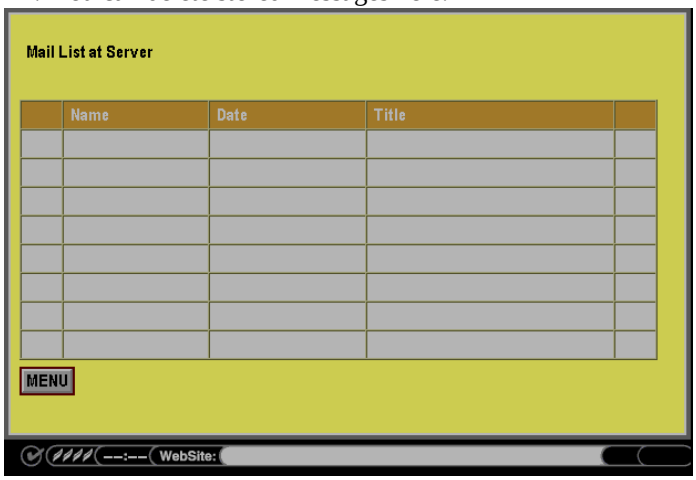


Figure 3-11 Mail List at Server

Chapter 4 Maintenance

Servicing

If you experience any trouble with this product, do not attempt to service it yourself. Power off the unit and unplug it from the wall outlet, then take it to your local dealer.

Cleaning

Do not use cleaning solvents such as alcohol or petrol to clean this product.

Chapter 5 Specifications

FEATURES

- NetFront v2.0/v2.5 & HTML 3.2 Compliant
- Built-in 56k Modem (V.90)
- Error Correction and Data Compression Supported
- Multiple Languages available (English, Chinese-BIG5, Chinese-GB, Japanese, Latin – optional)
- POP3 e-mail system supported
- The maximum number of stored messages is 50
- The maximum number of bookmarks is 50
- The maximum number of workbooks is 50
- The maximum number of stored addresses is 50
- HTTP protocol (version 1.1) supported
- Audio type - WAV., MIDI, AU, AIFF
- Media type - text/HTML, text/PLAIN, image/JPEG, image/X-BITMAP
- Printer Port Supported (Canon BJP color printer)
- IR Keyboard or Remote Control Panel to Access the Internet Worlds
- Supports NTSC / PAL TV Systems
- 256 colors VGA mode with 600x800
- S-video Output for Best Picture Quality in Color
- Restricted access to certain Internet setup screens

ELECTRICAL

Operational voltage (console box)	5VDC
Power consumption (max.)	8 watts
Operating voltage (AC Adapter)	100~240VAC
Operating frequency (AC Adapter)	50~60Hz

NETWORK INTERFACE

POTS (Plain Old Telephone Service): RJ-11
Transmission speed (max.): 56Kbps (V.90)

ENVIRONMENTAL

Temperature

Operating	32 to 113°F (0 to 45°C)
Storage	-4 to 160°F (-20 to 70°C)

Humidity

Operating	15% to 80%
Storage	10% to 90%